

## **Project Report**

**Project Name:** Buffalo Creek Bank Stabilization  
**Project Number:** 05.4200.08

### **Background and Scope of Work**

In 2005, the Village of Wheeling undertook a stream stability study of Buffalo Creek within the Village of Wheeling. The study evaluated approximately 25,000 feet of stream channel and stream bank. The study identified specific erosion and stability problems along the entire stream. A public meeting held on June 6, 2005 introduced the study results and potential solutions to the affected land owners. Public comment was gathered during the meeting that was used by the Village in preparing concept engineering and grant applications. This project is proposed as a three phase project targeting the most extensive erosion and largest contribution of non-point source pollution.

In 2007, the Village of Wheeling received an EPA grant to fund Phase 1 of the Streambank Stabilization project on Buffalo Creek. The grant is a cost share project with approximately 60% federal funding and 40% Village match. The Village of Wheeling is currently proceeding with the design and permitting for Phase 1 of the Buffalo Creek Streambank Stabilization project. This phase consists of approximately 2,600 feet of stabilization, and represents the most severe reaches and the worst 10% of slopes within the project, all of which are similar in geomorphic and erosion conditions. Phase I will require the use of structural stabilization due to the limited access and available work area, partially with gabion walls. The upstream limit of this phase of the project is the northwest corner of Hollywood Ridge Subdivision and the downstream limit of the project is approximately 200 feet northeast of the intersection of Valley Stream Drive and St. Armand Lane. The Village has hired Christopher B. Burke Engineering, Ltd. (CBBEL) to complete design and permitting of this project.

A second public meeting was held on Thursday, May 31, 2007 and the Village presented the engineering plans that have been developed for Phase 1, to discuss the project schedule, and to gather comments from the affected property owners. The Village is proceeding with obtaining permanent easements where there are not any at this time and temporary construction easements in certain instances. The Village is also proceeding with obtaining all permits.

### **Schedule**

Bid Opening Date	September 5, 2008
Award	October 20, 2008
Pre-Con Meeting	October 21, 2008
Notice to Proceed	October 28, 2008
Final Completion	July 15, 2009

### **Construction Cost**

Amended 2008 Budget:	\$2,406,739.00
Engineer's Estimate:	\$2,302,045.00
Bid Amount:	\$2,406,739.00

### **Plan Holders' List**

Emerald Frankfort, IL 60423	McGinty Bros., Inc. Long Grove, IL 60047	Earth Werk's Carol Stream, IL 60188
Cooling Landscape Contractors Cherry Valley, IL 61016	Martam Const., Inc. Elgin, IL 60120	Berger Excavating Wauconda, IL 60084
Kovilic Const., Co. Franklin Park, IL 60131	V3 Construction Woodridge, IL 60517	LCCON Richmond, IL 60071

**Bid Result of 3 Lowest Bidders**

Earth Werk's 107 Alexander Way Carol Stream, IL 60188	\$2,406,739.25
V3 Construction Group Ltd. 7325 Janes Ave. Woodridge, IL 60517	\$2,959,200.00
Cooling Landscape Contractors 4400 Wheeler Rd. Cherry Valley, IL 61016	\$2,959,581.00

**Contractor**

Earth Werk's  
107 Alexander Way  
Carol Stream, IL 60188

**Key Village Personnel**

Anthony J. Stavros, Director of Public Works  
Tim Merrihew, Capital Projects & Design Manager

**Consulting Engineer**

**Christopher B. Burke Engineering, Ltd.**  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018

**Christopher B. Burke Engineering West, Ltd.**  
116 West Main Street, Suite 201  
St. Charles, Illinois 60174

LAKE-COOK RD

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PROPOSED BUFFALO CREEK  
STREAM BANK STABILIZATION  
PHASE 1

MCHENRY RD (IL 83)

BUFFALO CREEK

ARLINGTON  
GOLF CLUB

Egirfield  
Ct.  
Cheswick  
Ct.

VALLEY STREAM DRIVE  
KENILWORTH  
SARASOTA DRIVE  
BERKSHIRE DRIVE  
MOCKINGBIRD LANE  
CORAL LANE  
CHESTNUT LANE  
BEVERLY DRIVE  
WOODLAND DRIVE  
CEDAR DRIVE  
PEBBLE DRIVE  
WILSHIRE  
COLONIAL DR.

EUGENE  
FIELD  
SCHOOL

JACK  
LONDON  
SCHOOL

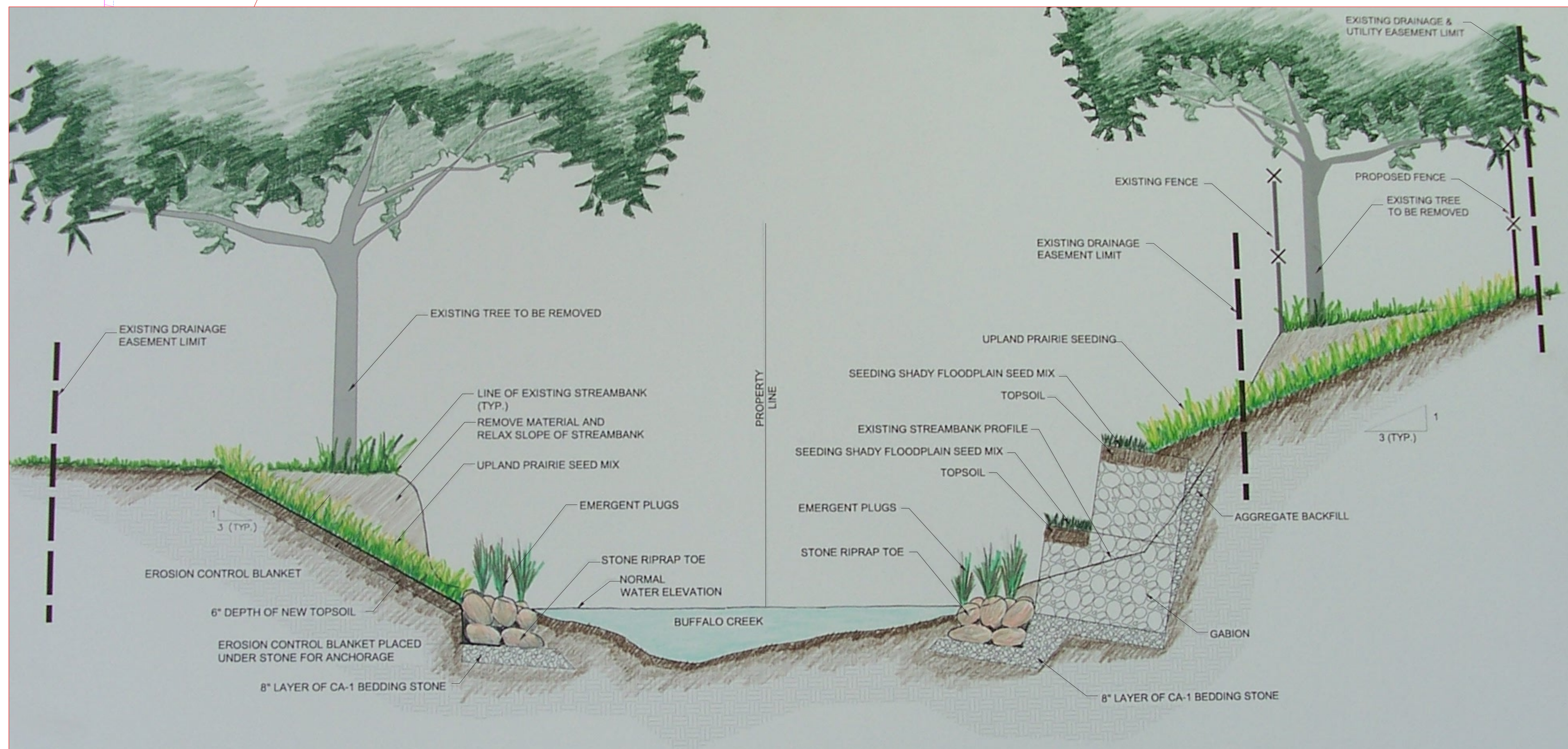
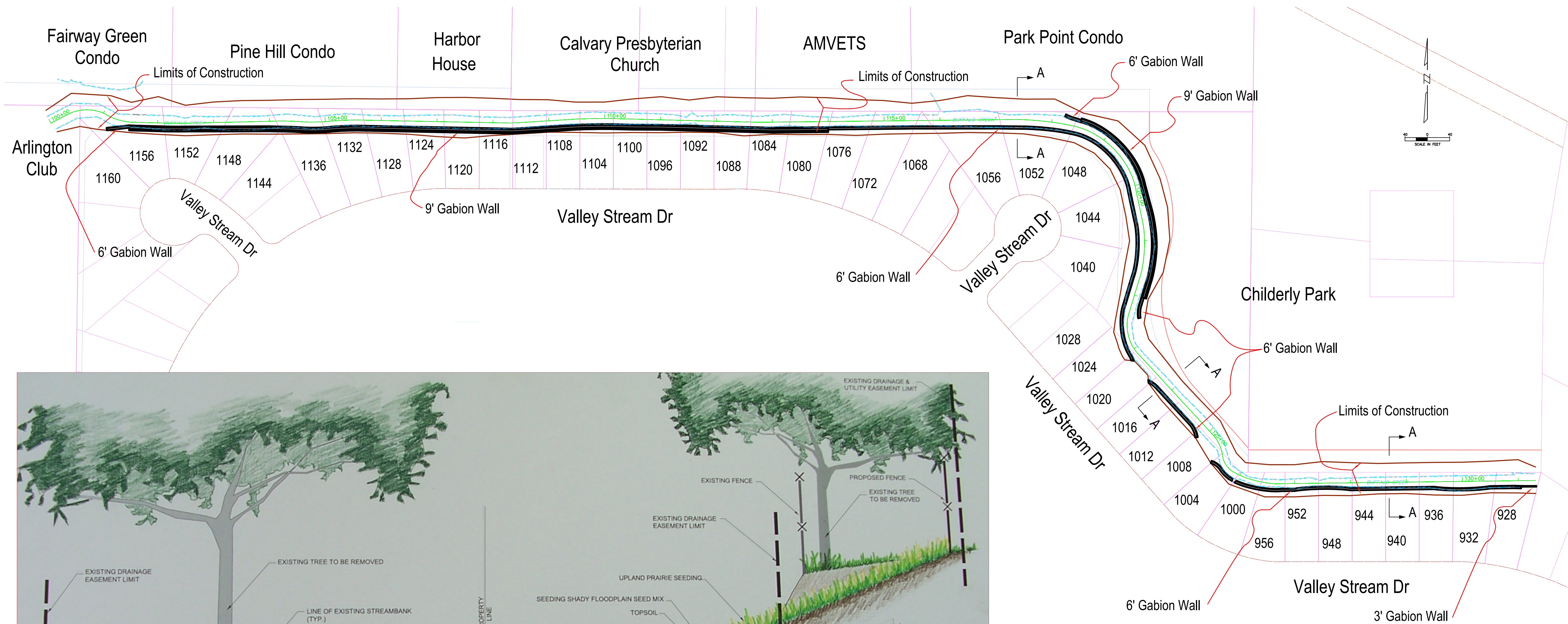
DUNDEE RD

SCHOENBECK RD

ELMHURST RD (IL 83)



# BUFFALO CREEK BANK STABILIZATION



Section A - A

New stone riprap toe is installed along the entire length of the Creek